

05/10/01
JCS93 U.S. PTO05-14-01
A-Please type a plus sign (+) inside this box → Approved for use through 10/31/2002. OMB 0651-003
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**UTILITY
PATENT APPLICATION
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

| | | |
|--|--|--|
| APPLICATION ELEMENTS | | ADDRESS TO: |
| See MPEP chapter 600 concerning utility patent application contents. | | Assistant Commissioner for Patents Box Patent Application Washington, DC 20231 |

1. Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)
2. Applicant claims small entity status.
See 37 CFR 1.27.
3. Specification [Total Pages **27**]
(preferred arrangement set forth below)
 - Descriptive title of the invention
 - Cross Reference to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to sequence listing, a table, or a computer program listing appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings *(if filed)*
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
4. Drawing(s) (35 U.S.C. 113) [Total Sheets **6**]
5. Oath or Declaration [Total Pages **2**]
 a. Newly executed (original or copy)
 b. Copy from a prior application (37 CFR 1.63 (d))
(for continuation/divisional with Box 18 completed)
 - i. **DELETION OF INVENTOR(S)**
 Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. Application Data Sheet. See 37 CFR 1.76

7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission *(if applicable, all necessary)*
 - a. Computer Readable Form (CRF)
 - b. Specification Sequence Listing on:
 - i. CD-ROM or CD-R (2 copies); or
 - ii. paper
 - c. Statements verifying identity of above copies

- | |
|--|
| ACCOMPANYING APPLICATION PARTS |
| 9. <input type="checkbox"/> Assignment Papers (cover sheet & document(s)) |
| 10. <input type="checkbox"/> 37 CFR 3.73(b) Statement <input checked="" type="checkbox"/> Power of <i>(when there is an assignee)</i> Attorney |
| 11. <input type="checkbox"/> English Translation Document <i>(if applicable)</i> |
| 12. <input checked="" type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations |
| 13. <input type="checkbox"/> Preliminary Amendment |
| 14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) <i>(Should be specifically itemized)</i> |
| 15. <input type="checkbox"/> Certified Copy of Priority Document(s) <i>(if foreign priority is claimed)</i> |
| 16. <input type="checkbox"/> Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent. |
| 17. <input checked="" type="checkbox"/> Other: Check for fees |

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

 Continuation Divisional Continuation-in-part (CIP)of prior application No.: **09/800,678**

Prior application information:

Examiner _____

NA

Group Art Unit: _____

NA

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS

| | | | | |
|---|---|---|----------|---|
| <input checked="" type="checkbox"/> Customer Number or Bar Code Label | 24739 |  | or | <input type="checkbox"/> Correspondence address below |
| Name | 24739 PATENT TRADEMARK OFFICE | | | |
| Address | | | | |
| City | State | | Zip Code | |
| Country | Telephone | | Fax | |

| | | | |
|-------------------|---|-----------------------------------|------------------------|
| Name (Print/Type) | Donald R Boys | Registration No. (Attorney/Agent) | 35,074 |
| Signature |  | | Date 05/10/2001 |

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

09/854234
05/10/01

JC893 U.S. PTO
05/10/01

PTO/SB/17 (09-00)

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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FEE TRANSMITTAL for FY 2001

Patent fees are subject to annual revision.

| | | |
|-------------------------|------|--------|
| TOTAL AMOUNT OF PAYMENT | (\$) | 623.00 |
|-------------------------|------|--------|

Complete if Known

| | |
|----------------------|------------|
| Application Number | NA |
| Filing Date | 05/10/2001 |
| First Named Inventor | Russ Tuck |
| Examiner Name | NA |
| Group Art Unit | NA |
| Attorney Docket No. | P4508 |

METHOD OF PAYMENT

1. The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number **50-0534**
Deposit Account Name **Mark Boys**

Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17

Applicant claims small entity status. See 37 CFR 1.27

2. Payment Enclosed:

Check Credit card Money Order Other

FEE CALCULATION

1. BASIC FILING FEE

| Large Entity Fee Code (\$) | Small Entity Fee Code (\$) | Fee Description | Fee Paid | |
|----------------------------|----------------------------|-----------------|---------------------------|--------|
| 101 | 710 | 201 | 355 Utility filing fee | 355.00 |
| 106 | 320 | 206 | 160 Design filing fee | |
| 107 | 490 | 207 | 245 Plant filing fee | |
| 108 | 710 | 208 | 355 Reissue filing fee | |
| 114 | 150 | 214 | 75 Provisional filing fee | |
| SUBTOTAL (1) | | | (\$) 355.00 | |

2. EXTRA CLAIM FEES

| Total Claims | Extra Claims | Fee from below | Fee Paid |
|--------------------|--------------|------------------|----------|
| 32 | -20** = 12 | X 9 = | 108.00 |
| Independent Claims | 7 | - 3** = 4 X 40 = | 160.00 |
| Multiple Dependent | | | = 0.00 |

| Large Entity Fee Code (\$) | Small Entity Fee Code (\$) | Fee Description | |
|----------------------------|----------------------------|-----------------|--|
| 103 | 18 | 203 | 9 Claims in excess of 20 |
| 102 | 80 | 202 | 40 Independent claims in excess of 3 |
| 104 | 270 | 204 | 135 Multiple dependent claim, if not paid |
| 109 | 80 | 209 | 40 ** Reissue independent claims over original patent |
| 110 | 18 | 210 | 9 ** Reissue claims in excess of 20 and over original patent |
| SUBTOTAL (2) | | | |
| (\$) 268.00 | | | |

*or number previously paid, if greater; For Reissues, see above

3. ADDITIONAL FEES

| Large Entity Fee Code (\$) | Small Entity Fee Code (\$) | Fee Description | Fee Paid |
|----------------------------|----------------------------|-----------------|---|
| 105 | 130 | 205 | 65 Surcharge - late filing fee or oath |
| 127 | 50 | 227 | 25 Surcharge - late provisional filing fee or cover sheet |
| 139 | 130 | 139 | 130 Non-English specification |
| 147 | 2,520 | 147 | 2,520 For filing a request for ex parte reexamination |
| 112 | 920* | 112 | 920* Requesting publication of SIR prior to Examiner action |
| 113 | 1,840* | 113 | 1,840* Requesting publication of SIR after Examiner action |
| 115 | 110 | 215 | 55 Extension for reply within first month |
| 116 | 390 | 216 | 195 Extension for reply within second month |
| 117 | 890 | 217 | 445 Extension for reply within third month |
| 118 | 1,390 | 218 | 695 Extension for reply within fourth month |
| 128 | 1,890 | 228 | 945 Extension for reply within fifth month |
| 119 | 310 | 219 | 155 Notice of Appeal |
| 120 | 310 | 220 | 155 Filing a brief in support of an appeal |
| 121 | 270 | 221 | 135 Request for oral hearing |
| 138 | 1,510 | 138 | 1,510 Petition to institute a public use proceeding |
| 140 | 110 | 240 | 55 Petition to revive - unavoidable |
| 141 | 1,240 | 241 | 620 Petition to revive - unintentional |
| 142 | 1,240 | 242 | 620 Utility issue fee (or reissue) |
| 143 | 440 | 243 | 220 Design issue fee |
| 144 | 600 | 244 | 300 Plant issue fee |
| 122 | 130 | 122 | 130 Petitions to the Commissioner |
| 123 | 50 | 123 | 50 Petitions related to provisional applications |
| 126 | 240 | 126 | 240 Submission of Information Disclosure Stmt |
| 581 | 40 | 581 | 40 Recording each patent assignment per property (times number of properties) |
| 146 | 710 | 246 | 355 Filing a submission after final rejection (37 CFR § 1.129(a)) |
| 149 | 710 | 249 | 355 For each additional invention to be examined (37 CFR § 1.129(b)) |
| 179 | 710 | 279 | 355 Request for Continued Examination (RCE) |
| 169 | 900 | 169 | 900 Request for expedited examination of a design application |
| Other fee (specify) _____ | | | |

* Reduced by Basic Filing Fee Paid

SUBTOTAL (3) **(\$)** 0.00

SUBMITTED BY

Complete (if applicable)

| | | | | | |
|-------------------|---|--------------------------------------|-------|------------|----------------|
| Name (Print/Type) | Donald R. Boys | Registration No. (Attorney/Agent) | 35074 | Telephone | (831) 726-1457 |
| Signature |  | | Date | 05/10/2001 | |

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

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Certificate of Express Mailing

"Express Mail" Mailing Label Number: **EL657629829US**

Date of Deposit: **05/10/2001**

Ref: Case Docket No.: **P4508**

First Named Inventor: **Russ Tuck**

Serial Number: **NA**

Filing Date: **05/10/2001**

Title of Case: **Apparatus and Methods for Efficient Multicasting of Data Packets**

I hereby certify that the attached papers are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. 1.10 on the date indicated above and addressed to the Commissioner of Patents and Trademarks, Washington D.C. 20231

1. Utility patent application transmittal.
2. 27 sheets of specification.
3. 6 sheets of drawings.
4. Fee transmittal.
5. Duplicate fee transmittal.
6. Declaration and Power of Attorney.
7. Check for fees in the amount of \$623.00.
8. IDS
9. Certificate of express mailing.
10. Postcard listing contents.

Mark A. Boys

(Typed or printed name of person mailing paper or fee)



(Signature of person mailing papers or fee)